

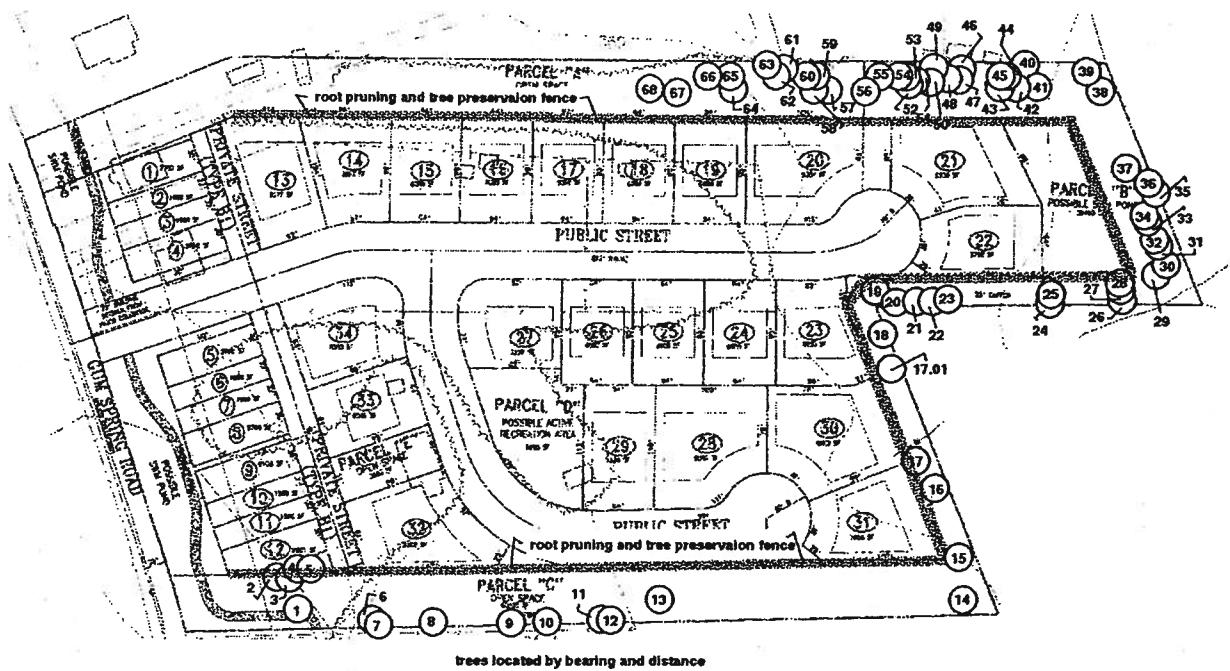
**Gum Springs Road**  
**Tree Preservation Activities**

1. All work performed shall meet or exceed industry standards. In the event cultural treatments prescribed are not covered by an existing standard, all work shall meet or exceed standards approved by the Loudoun County Urban Forester. Industry standards shall mean those most recently published by International Society of Arboriculture (ISA), American National Standards Institute (ANSI), and/or Tree Care Industry Association (TCIA).
2. Prior to any construction activity, all individual trees and groups of trees shown to be preserved on the tree preservation plan shall be protected by fencing a minimum of four feet in height, placed at the limits of clearing and grading, or as determined during the pre-construction meeting. Tree protection fencing should be 14 gauge steel woven wire "farm fence", on 6 foot steel posts driven into the ground 18 inches and placed not more than 10 feet apart; or super silt fence; or chainlink fence. The tree protection fencing shall be made clearly visible to all construction personnel with signs posted on it stating in Spanish and English that it is a tree preservation area and no entry is permitted. The fencing shall be installed prior to any work being conducted on the site, including the demolition of any existing structures or fences, unless authorized by the Loudoun County Urban Forester.
3. All construction activity beyond the limits of clearing and grading shown on the site plan and the Tree Preservation Plan shall be prohibited unless previously approved by the Loudoun County Urban Forester.
4. The engineer, architect, or site superintendent shall flag the limits of clearing and grading prior to the preconstruction meeting.
5. The site superintendent, Loudoun County Urban Forester, and Project Arborist shall walk the limits of clearing and grading to discuss tree issues and the importance of not violating the limits of clearing and grading. Which trees are to be removed from within tree save areas shall be determined at this time.
6. Root Pruning: Root pruning shall be performed along the limits of clearing and grading prior to any other site disturbance. Root pruning shall be performed wherever grades will be altered within the root zone of a tree, on or off site, that is to be preserved, and shall be performed at the limits of clearing and grading or the dripline of the trees designated to be preserved, whichever is greater, given the site constraints. A trencher, vibratory plow, or stump grinder shall be used to a depth of 18 inches. Large roots shall be re-cut with a pruning saw. Immediately after root pruning, the trench shall be backfilled. Wherever possible, root pruning trenches should be mulched with wood chips or mulch four inches deep. Root pruning shall

be done prior to any site work or installation of siltation control measures, unless authorized by the Loudoun County Urban Forester.

7. Clearing Operations: Trees to be removed shall be felled in such a manner as to preserve the trees that are to remain. Trees directly adjacent to but within the limits of clearing and grading shall be felled by hand, with a chain saw, and the stumps shall remain in place. If, due to site constraints, the stumps must be removed, this shall be done only after root pruning along the limits of clearing and grading has occurred, and shall be done in a manner that does not injure trees to be preserved.
  8. Off-site and jointly owned trees should receive special attention; discuss the project with owners of such trees before starting work.
  9. The tree care contractor shall perform tree removals as specified. Trees within the tree preservation areas, which are individually identified by the Project Arborist and/or the Loudoun County Urban Forester to be removed, shall be felled by hand with a chain saw and the stumps shall remain in place. Such trees shall be felled in a manner that does not injure trees to be preserved. Trees to be removed from the tree preservation area shall be dropped into the area to be cleared, or pieced down. These trees shall be moved into the area to be cleared without injuring remaining vegetation. Dead trees shall be removed from tree preservation areas only if they pose a hazard. Trunks of dead trees shall remain in tree preservation areas unless they pose a hazard. Stumps shall remain in the tree preservation areas unless otherwise stated in the tree preservation plan.
  10. After trees are removed from the tree preservation areas, erosion control system and tree preservation fencing shall be put in place before beginning the actual clearing/grading process.
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11. Silt fence or super silt fence, if required, may be installed in the root pruning trench. If super silt fence is used, it may serve as tree preservation fencing. Other types of tree preservation fencing shall be placed between the area to be cleared and the root pruning trench.
  12. The tree care contractor shall prune trees as specified in the tree preservation plan. All work shall meet or exceed industry standards, and an International Society of Arboriculture Certified Arborist shall be on site while tree care operations are taking place.
  13. Should entry into a tree save area be necessary, the site superintendent shall contact the Project Arborist and/or the Loudoun County Urban Forester first. Measures prescribed by the Project Arborist and/or the Loudoun County Urban Forester to minimize or mitigate damage resulting from entry shall be taken.
  14. At bond release, the site shall be reviewed to determine the need for further tree care or removal.
  15. Demolition Operations: Buildings, concrete pads, and concrete or asphalt paths and driveways or roadways, debris and junk within or adjacent to tree preservation areas shall be removed in such a way that trees to be preserved are not damaged. Equipment shall at all times remain on concrete or wood-chip padded surfaces

rather than positioning on soil or vegetation. Buildings near trees to be saved shall be pulled over, away from trees, using cables, rather than pushed over with equipment. Concrete and debris within tree preservation areas shall be pulled up and loaded onto equipment without the equipment leaving the concrete or wood-chip padded surfaces.



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**Appendix**  
**Development Inventory**  
**Gum Springs Road**

Loudoun County, Virginia

July 10, 2006

Prepared by  
Edward P. Milhous  
**TreesPlease®**

ASCA RCA #350 ISA #MA-0004A MD TE #458

<u>Tree #</u>	<u>Name</u>	<u>Size</u>	<u>Condition</u>	<u>Comment</u>	<u>Recommendation</u>
1	southern red oak <i>Quercus falcata</i>	.22/.23	.5	Marginal: This tree <i>might</i> be desirable in a new setting. Its chance of surviving planned construction is fair/good. Ganoderma fungus fruiting bodies... indicates decay. Included bark is evident. This is a serious problem for this tree.	Do not save this tree... remove it when clearing.
2	white oak <i>Quercus alba</i>	.21	.75	This tree would be desirable in a new setting. Its chance of surviving planned construction is poor/fair.	Consider moving LOC at precon meeting to save this tree.
3	white oak <i>Quercus alba</i>	.21	.75	This tree would be desirable in a new setting. Its chance of surviving planned construction is poor/fair.	Consider moving LOC at precon meeting to save this tree.
4	white oak <i>Quercus alba</i>	.21	.72	This tree would be desirable in a new setting. This tree has no chance of surviving construction. Included bark is evident.	Do not save this tree... remove it when clearing.
5	white oak <i>Quercus alba</i>	.23	.75	This tree would be desirable in a new setting. This tree has no chance of surviving construction.	Do not save this tree... remove it when clearing.
6	red oak <i>Quercus spp.</i>	.21	.72	This tree would be desirable in a new setting. Its chance of surviving planned construction is fair/good. Deadwood in this tree's crown is a minor problem. There is decay in the trunk of this tree.	This tree is to be saved.

**Appendix Development Inventory Gum Springs Road, Loudoun County, July 10, 2006**

<u>Tree #</u>	<u>Name</u>	<u>Size</u>	<u>Condition</u>	<u>Comment</u>	<u>Recommendation</u>
7	southern red oak <i>Quercus falcata</i>	16	.72	This tree would be desirable in a new setting. Its chance of surviving planned construction is fair/good. There is decay in the trunk of this tree.	This tree is to be saved.
8	red oak <i>Quercus spp.</i>	20	.75	This tree would be desirable in a new setting. Its chance of surviving planned construction is good. There is decay in the trunk of this tree.	This tree is to be saved.
9	unidentified	17	0	It appears this tree is <b>jointly-owned</b> with neighbors. This tree would <i>not</i> be desirable in a new setting. This tree has no chance of surviving construction. This tree is dead.	<i>Never</i> damage or take out <b>jointly-owned</b> trees without the owners' written consent. Remove this tree ASAP.
10	white oak <i>Quercus alba</i>	25	.72	This tree would be desirable in a new setting. Its chance of surviving planned construction is good. Included bark is evident.	This tree is to be saved.
11	red oak <i>Quercus spp.</i>	18	.66	This tree would be desirable in a new setting. Its chance of surviving planned construction is good. There is decay in the trunk of this tree.	Crown clean of wood 2" or larger.
12	white oak <i>Quercus alba</i>	18	.75	This tree would be desirable in a new setting. Its chance of surviving planned construction is good. Assorted vines are attached to this tree's trunk.	This tree is to be saved.
13	green ash <i>Fraxinus pennsylvanica</i>	15	.72	This tree would be desirable in a new setting. Its chance of surviving planned construction is good. Storm damage is evident.	This tree is to be saved.
14	Virginia pine <i>Pinus virginiana</i>	14	.56	This tree would be desirable in a new setting. Its chance of surviving planned construction is good. Typical V-a pine; growth at its top only; lots of dead wood.	Do not save this tree... remove it when clearing.
15	Virginia pine <i>Pinus virginiana</i>	14	.56	This tree would <i>not</i> be desirable in a new setting. Its chance of surviving planned construction is good. Typical V-a pine; growth at its top only; lots of dead wood.	Do not save this tree... remove it when clearing.
16	hickory <i>Carya spp.</i>	9/9	.72	This tree would be desirable in a new setting. Its chance of surviving planned construction is good. Included bark is evident.	This tree is to be saved.

**Appendix Development Inventory Gum Springs Road , Loudoun County, July 10, 2006**

<u>Tree #</u>	<u>Name</u>	<u>Size</u>	<u>Condition</u>	<u>Comment</u>	<u>Recommendation</u>
17	hickory <i>Carya</i> spp.	.17	.75	This tree would be desirable in a new setting. Its chance of surviving planned construction is good. Poison ivy is growing up this tree's trunk.	Cut vines at ground level; prevent regrowth on the tree.
17.01	green ash <i>Fraxinus pennsylvanica</i>	.13	.75	This tree would <i>not</i> be desirable in a new setting. Its chance of surviving planned construction is fair. Recent construction damage seems likely. This is a <b>severe</b> problem for this tree!	Do not save this tree... remove it when clearing.
18	southern red oak <i>Quercus falcata</i>	.18	.75	This tree would be desirable in a new setting. Its chance of surviving planned construction is good.	This tree is to be saved.
19	red oak <i>Quercus</i> spp.	.17	.38	This tree would <i>not</i> be desirable in a new setting. Its chance of surviving planned construction is good. This tree is near death.	Do not save this tree... remove it when clearing.
20	white oak <i>Quercus alba</i>	.11	.75	This tree would be desirable in a new setting. Its chance of surviving planned construction is good.	This tree is to be saved.
21	red oak <i>Quercus</i> spp.	.11	.75	This tree would be desirable in a new setting. Its chance of surviving planned construction is good.	This tree is to be saved.
22	white oak <i>Quercus alba</i>	.13	.75	This tree would be desirable in a new setting. Its chance of surviving planned construction is good.	This tree is to be saved.
23	unidentified	.22	0	This tree would <i>not</i> be desirable in a new setting. This tree has no chance of surviving construction. This tree is dead.	Do not save this tree... remove it when clearing. Consider leaving the log uncut in the natural area.
24	white oak <i>Quercus alba</i>	.15	.75	This tree would be desirable in a new setting. Its chance of surviving planned construction is good.	This tree is to be saved.
25	white oak <i>Quercus alba</i>	.14	.75	This tree would be desirable in a new setting. Its chance of surviving planned construction is good.	This tree is to be saved.

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**Appendix Development Inventory Gum Springs Road , Loudoun County, July 10, 2006**

<u>Tree #</u>	<u>Name</u>	<u>Size</u>	<u>Condition</u>	<u>Comment</u>	<u>Recommendation</u>
26	southern red oak <i>Quercus falcata</i>	14	.75	This tree would be desirable in a new setting. Its chance of surviving planned construction is good. Deadwood in this tree's crown is a minor problem.	Crown clean of wood 2" or larger.
27	southern red oak <i>Quercus falcata</i>	20	.75	This tree would be desirable in a new setting. Its chance of surviving planned construction is good. Deadwood in this tree's crown is a minor problem.	Crown clean of wood 2" or larger.
28	white oak <i>Quercus alba</i>	13	.75	This tree would be desirable in a new setting. Its chance of surviving planned construction is fair/good. Deadwood in this tree's crown is a minor problem.	Crown clean of wood 2" or larger.
29	southern red oak <i>Quercus falcata</i>	18	.75	This tree would be desirable in a new setting. Its chance of surviving planned construction is good.	This tree is to be saved.
30	southern red oak <i>Quercus falcata</i>	20	.75	This tree would be desirable in a new setting. Its chance of surviving planned construction is good.	This tree is to be saved.
31	white oak <i>Quercus alba</i>	16	.75	This tree would be desirable in a new setting. Its chance of surviving planned construction is good. Species Rating: 80%	This tree is to be saved.
32	white oak <i>Quercus alba</i>	12	.75	This tree would be desirable in a new setting. Bark was damaged near the base of the tree years ago. Its chance of surviving planned construction is good.	This tree is to be saved.
33	southern red oak <i>Quercus falcata</i>	15	.75	This tree would be desirable in a new setting. Its chance of surviving planned construction is good.	This tree is to be saved.
34	white oak <i>Quercus alba</i>	14	.75	This tree would be desirable in a new setting. Its chance of surviving planned construction is good.	This tree is to be saved.
35	Virginia pine <i>Pinus virginiana</i>	15	0	This tree would <i>not</i> be desirable in a new setting. This tree has no chance of surviving construction. This tree is uprooted.	Do not save this tree... remove it when clearing. Consider leaving the log uncut in the natural area.

**Appendix Development Inventory Gum Springs Road, Loudoun County, July 10, 2006**

<u>Tree #</u>	<u>Name</u>	<u>Size</u>	<u>Condition</u>	<u>Comment</u>	<u>Recommendation</u>
36	white oak <i>Quercus alba</i>	13	.75	This tree would be desirable in a new setting. Its chance of surviving planned construction is good. Species Rating: 95%	This tree is to be saved.
37	southern red oak <i>Quercus falcata</i>	10	.75	This tree would be desirable in a new setting. Its chance of surviving planned construction is good. Assorted vines are attached to this tree's trunk. Species Rating: 80%	Cut vines at ground level; prevent regrowth on the tree.
38	white oak <i>Quercus alba</i>	20	.75	This tree would be desirable in a new setting. Its chance of surviving planned construction is good. Deadwood in this tree's crown is a minor problem. Species Rating: 95%	Crown clean of wood 2" or larger.
39	white oak <i>Quercus alba</i>	20	.75	This tree would be desirable in a new setting. Its chance of surviving planned construction is good. Deadwood in this tree's crown is a minor problem.	Crown clean of wood 2" or larger.
40	Virginia pine <i>Pinus virginiana</i>	15	.63	This tree would <i>not</i> be desirable in a new setting. Its chance of surviving planned construction is good. Typical V-a pine; growth at its top only; lots of dead wood.	Do not save this tree... remove it when clearing.
41	hickory <i>Carya</i> spp.	14	.75	This tree would be desirable in a new setting. Its chance of surviving planned construction is good.	This tree is to be saved.
42	white oak <i>Quercus alba</i>	20	.75	This tree would be desirable in a new setting. Its chance of surviving planned construction is good. Species Rating: 80%	This tree is to be saved.
43	white oak <i>Quercus alba</i>	21	.75	This tree would be desirable in a new setting. Its chance of surviving planned construction is good. Species Rating: 95%	This tree is to be saved.
44	hickory <i>Carya</i> spp.	10	.75	This tree would be desirable in a new setting. Its chance of surviving planned construction is good. Species Rating: 80%	This tree is to be saved.
45	southern red oak <i>Quercus falcata</i>	13	.75	This tree would be desirable in a new setting. Its chance of surviving planned construction is good. Species Rating: 80%	This tree is to be saved.

**Appendix Development Inventory Gum Springs Road, Loudoun County, July 10, 2006**

<u>Tree #</u>	<u>Name</u>	<u>Size</u>	<u>Condition</u>	<u>Comment</u>	<u>Recommendation</u>
46	post oak <i>Quercus stellata</i>	12/8	.72	This tree would be desirable in a new setting. Included bark is evident. Species Rating: 90%	Cut vines at ground level; prevent regrowth on the tree.
47	southern red oak <i>Quercus falcata</i>	12	.75	This tree would be desirable in a new setting. Assorted vines are attached to this tree's trunk. Its chance of surviving planned construction is good.	This tree is to be saved.
48	hickory <i>Carya</i> spp.	14	.75	This tree would be desirable in a new setting. Its chance of surviving planned construction is good.	This tree is to be saved.
49	unidentified	17	0	This tree would <i>not</i> be desirable in a new setting. This tree has no chance of surviving construction.	Remove this tree ASAP.
50	hickory <i>Carya</i> spp.	13	.75	This tree would be desirable in a new setting. Its chance of surviving planned construction is good.	This tree is to be saved.
51	white oak <i>Quercus alba</i>	23	.56	Marginal: This tree <i>might</i> be desirable in a new setting. Its chance of surviving planned construction is good. Storm damage is evident.	Prune to restore the crown as best as possible.
52	southern red oak <i>Quercus falcata</i>	14	.56	This tree would be desirable in a new setting. Its chance of surviving planned construction is good.	This tree is to be saved.
53	southern red oak <i>Quercus falcata</i>	13	.75	This tree would be desirable in a new setting. This tree's growth is mostly on one side... it's off-balance.	This tree is to be saved.
54	white oak <i>Quercus alba</i>	18	.72	This tree would be desirable in a new setting. Its chance of surviving planned construction is good. Included bark is evident.	This tree is to be saved.
55	southern red oak <i>Quercus falcata</i>	15	.75	This tree would be desirable in a new setting. Its chance of surviving planned construction is good.	This tree is to be saved.

**Appendix Development Inventory Gum Springs Road, Loudoun County, July 10, 2006**

<u>Tree #</u>	<u>Name</u>	<u>Size</u>	<u>Condition</u>	<u>Comment</u>	<u>Recommendation</u>
56	white oak <i>Quercus alba</i>	15	.75	This tree would be desirable in a new setting. Its chance of surviving planned construction is good.	This tree is to be saved.
	Species Rating: 95%				
57	white oak <i>Quercus alba</i>	15	.75	This tree would be desirable in a new setting. Its chance of surviving planned construction is good.	This tree is to be saved.
	Species Rating: 95%				
58	southern red oak <i>Quercus falcata</i>	13/13	.72	This tree would be desirable in a new setting. Its chance of surviving planned construction is good. Included bark is evident.	This tree is to be saved.
	Species Rating: 95%				
59	hickory <i>Carya spp.</i>	14	.75	This tree would be desirable in a new setting. Its chance of surviving planned construction is good.	This tree is to be saved.
	Species Rating: 80%				
60	white oak <i>Quercus alba</i>	21	.75	This tree would be desirable in a new setting. Its chance of surviving planned construction is good.	This tree is to be saved.
	Species Rating: 95%				
61	southern red oak <i>Quercus falcata</i>	16	.75	This tree would be desirable in a new setting. Its chance of surviving planned construction is good.	This tree is to be saved.
	Species Rating: 80%				
62	hickory <i>Carya spp.</i>	18	.75	This tree would be desirable in a new setting. Its chance of surviving planned construction is good.	This tree is to be saved.
	Species Rating: 80%				
63	red oak <i>Quercus spp.</i>	18	.72	This tree would be desirable in a new setting. Its chance of surviving planned construction is good. Deadwood in this tree's crown is a minor problem.	Crown clean of wood 2" or larger.
	Species Rating: 80%				
64	hickory <i>Carya spp.</i>	17	.75	This tree would be desirable in a new setting. Its chance of surviving planned construction is good.	This tree is to be saved.
	Species Rating: 80%				
65	hickory <i>Carya spp.</i>	14	.75	This tree would be desirable in a new setting. Its chance of surviving planned construction is good. Trunk seam(s) are evident.	This tree is to be saved.
	Species Rating: 80%				

**Appendix Development Inventory Gum Springs Road , Loudoun County, July 10, 2006**

<u>Tree #</u>	<u>Name</u>	<u>Size</u>	<u>Condition</u>	<u>Comment</u>	<u>Recommendation</u>
66	hickory <i>Carya</i> spp.	15	.75	This tree would be desirable in a new setting. Its chance of surviving planned construction is good. Species Rating: 80%	This tree is to be saved.
67	hickory <i>Carya</i> spp.	15	.69	This tree would be desirable in a new setting. Its chance of surviving planned construction is good. Bark on the tree's trunk was damaged some years ago. This tree has a poor form.	This tree is to be saved.
68	hickory <i>Carya</i> spp.	18	.75	This tree would be desirable in a new setting. Its chance of surviving planned construction is good. Species Rating: 80%	This tree is to be saved.

Average species rating      83.03

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